#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property **Organization**

International Bureau



# 

#### (43) International Publication Date 20 March 2003 (20.03.2003)

**PCT** 

#### (10) International Publication Number WO 2003/023179 A3

(51) International Patent Classification7:

E21B 43/10

(21) International Application Number:

PCT/US2002/025727

- (22) International Filing Date: 14 August 2002 (14.08.2002)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/317,985 60/318,386

6 September 2001 (06.09.2001) 10 September 2001 (10.09.2001)

- (71) Applicant (for all designated States except US): ENVEN-TURE GLOBAL TECHNOLOGY [US/US]; 16200 A. Park Row, Houston, TX 77084 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): WADDELL, Kevin

[US/US]; 11007 Sprucedale Court, Houston, TX 77070 (US). RING, Lev [RU/US]; 14126 Heatherhill Place, Houston, TX 77077 (US). BRISCO, David, PAUL [US/US]; 405 Westridge Drive, Duncan, OK 73533 (US).

- (74) Agents: MATTINGLY, Todd; ct al.; Haynes and Boone, LLP, 1000 Louisiana Street, Suite 4300, Houston, TX 77002-5012 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM. KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: SYSTEM FOR LINING A WELLBORE CASING

30d 30a 30 30a 28c 28a 26c 26 24c 242 200 20 202 164 102 14b 18b

(57) Abstract: A system for lining a wellbore casing.

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/25727

			<b>1</b>
A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : E21B 43/10  US CL : 166/380, 207			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 166/380, 207, 378, 212, 217, 242.6			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	opropriate, of the relevant passages	Relevant to claim No.
Х	US 6,070,671 A (CUMMING et al.) 06 June 2000 (06.06.00), figures 1 and 2.		13-15,17,18,21-23,25- 31, and 33
х	US 6,085,838 A (VERCAEMER et al.) 11 July 2000 (11.07.00), figures 5-7.		1,4-7,11-19, and 21-35
х	SU 1086118 A (GARIFOV) 15 April 1984 (15.04.84), figures 1 and 2.		13-15,17-23,25-31, and 33-36
-			*
Further documents are listed in the continuation of Box C. See patent family annex.			
<ul> <li>Special categories of cited documents:</li> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the</li> </ul>			
"A" document defining the general state of the art which is not considered to be princip of particular relevance		principle or theory underlying the involve.  "X" document of particular relevance; the	ention
"E" earlier application or patent published on or after the international filing date		considered novel or cannot be consider when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
"O" document referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in the art	
priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search  O7 October 2002 (07.10.2002)  Date of mailing of the international search report  1.3 FEB 2004			
Name and mailing address of the ISA/US  Commissioner of Patents and Trademarks  Box PCT  Authorized officer  Paving Page N			
Washington, D.C. 20231			
	Facsimile No. (703)305-3230 Telephone No. (703) 308-1113		

Form PCT/ISA/210 (second sheet) (July 1998)